

DFO

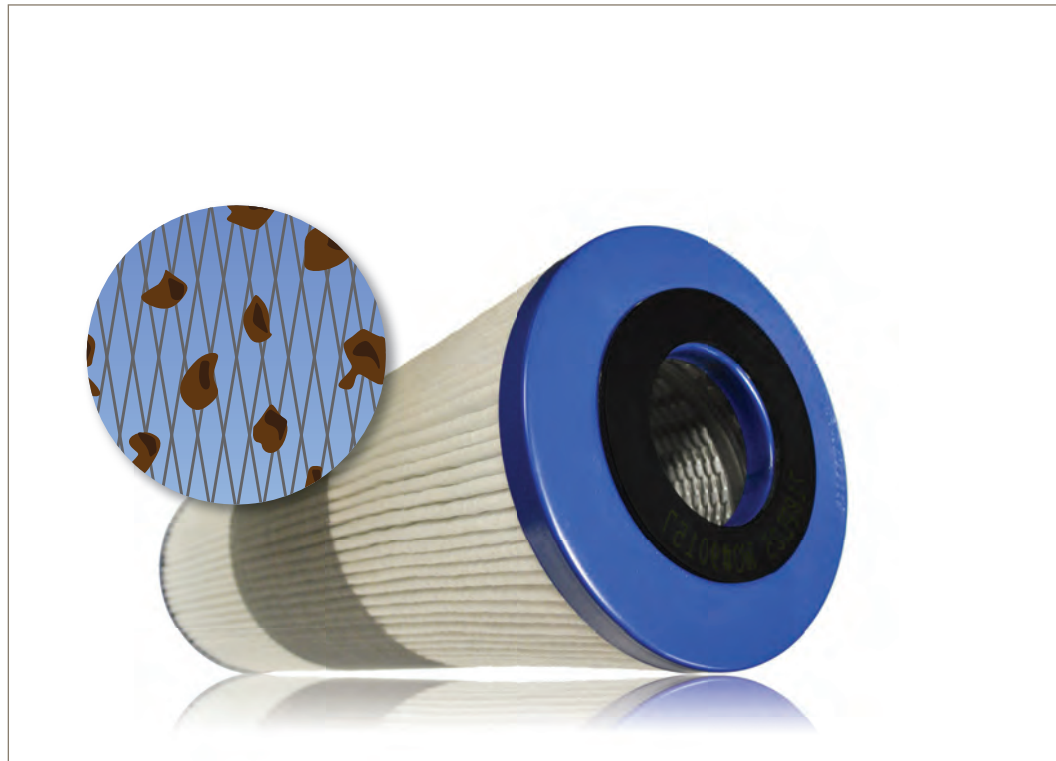
High Quality Filtration for Diesel and Biodiesel Applications



Description

Diesel fuel is stored and transferred multiple times from refining to dispensing. Preventative action does not always eliminate contamination. Common contaminants introduced during transportation include both extremely fine and abrasive silica as well as pipe scale. These contaminants can quickly deteriorate fuel quality below engine manufacturer standards, reducing the durability and performance of the engine.

Velcon's DFO filters transform contaminated fuels to meet stringent downstream ISO 4406 cleanliness standards for the demanding limits placed on diesel and biodiesel fuels. The DFO design balances high surface area and depth filtration to maximize filter life which reduces filtration costs.



Contact Information: Benefits

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- Reduced operating costs by removing particulates that can cause engine damage
- Reliable fuel injector performance when particulate contaminants are removed to meet ISO 4406 Cleanliness Standards
- Improved equipment uptime, reduces equipment failures, repairs, and/or replacements



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TIERED RATINGS

To meet industry fuel quality standards, Velcon developed pleated media filters for diesel and biodiesel fuels. In accordance with ISO standards, the DFO filters were designed with tiered media classification using absolute rated media. Each media tier provides a unique solution from managing fuel contamination to final fuel conditioning.

- DFO filters with ratings of 2 and 4 micron are the ultimate solution to condition fuel for dispensing while assuring

ISO 4406 Cleanliness Standards are consistently met. Each progressively tighter DFO filter rating delivers additional particle removal and fuel cleanliness; therefore progressively lower ISO 4406 particle counts.

- The mid-range DFO filters of 6 and 10 micron extend filter life following secondary conditioning by removing particulate contaminants and allowing Velcon's downstream coalescing products to focus on water removal rather than particle removal.

- The DFO filters rated at 25 and 40 micron are the ideal solution to manage contaminated fuel entering and leaving terminal storage tanks throughout the fuel transferring process.

PRODUCT SPECIFICATIONS

- All filter components compatible with diesel and biodiesel blends
- Recommended change out pressure: 25 psid (1.7 bar)
- Buna-N sealing materials are standard
- Max. Op. Temp.: 225°F (107°C)

RECOMMENDED HOUSINGS



VF-61 & VF-62 (for DFO-5)



Vel-Max® (for DFO-6)



DVF Series (for DFO-6)

DFO PART NUMBERING

Velcon recommends use of threaded base endcaps for ease of installation and to minimize components.

		O.D. in. (mm)	Length in. (mm)		Micron Rating (µm)	Endcap Options
DFO	—	5 5 5/8 (143)	12 – 12 (305) 24 – 24 (610)	PLF	2, 4, 6, 10, 25, 40	
DFO	—	6 6 (152)	14 – 14 5/8 (371) 29 – 29 1/8 (740) 36 – 36 (915) 44 – 44 1/8 (1121) 56 – 56 1/8 (1426)	PLF	2, 4, 6, 10, 25, 40	TB (Threaded Base)

Examples:

DFO-614PLF25

Variables that often change for the DFO part numbers when placing an order are the length and the µm ratings; as seen in the case of the above example with number 12 (length) and number 25 (µm rating)

NOTE: Other lengths and end fittings available. Please contact Velcon for further assistance.



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